

What is claimed is:

1. A pilot signal reception method comprising the steps of:

5 receiving pilot signals of a pilot channel; and
 despreading the received pilot signals at
irregular timings.

2. The pilot signal reception method according to claim
10 1, wherein said irregular timings are determined by
irregularly selecting timings using a predetermined
method from timings or periods other than timings
identical to past despreading timings or periods close
to those timings.

15 3. A pilot signal reception method comprising the steps
of:

 receiving pilot signals of a pilot channel;
 despreading pilot signals;
20 measuring a variation in the reception intensity
of a demodulated signal obtained by despreading; and
 adaptively changing despreading timings of said
pilot signals based on the measured variation in said
reception intensity.

25 4. The pilot signal reception method according to claim
3, wherein despreading timings are adaptively determined
based on the measured variation in said reception

intensity in such a way as to avoid valleys of the variation in the intensity of the reception signal.

5 3, wherein despreading timings and despreading period are adaptively changed based on the measured variation in said reception intensity in such a way as to avoid valleys of the variation in the intensity of the reception signal.

10 6. A pilot signal reception method comprising the steps of:

receiving a signal sent from the transmitting side including irregularly distributed pilot signals; and
15 determining reception timings of said pilot signals using the same technique as that used to distribute pilot signals on said transmitting side and receiving pilot signals at the determined timings.

20 7. A demodulation method for demodulating a dedicated pilot signal channel using a specific spreading code, and receiving and demodulating a signal which has been spread/modulated using another spreading code and sent for channels other than said dedicated pilot signal
25 channel, comprising the steps of:

dividing the received signal into two signal systems;

despreading one signal system using said pilot

signal specific spreading code at irregular timings and demodulating the pilot signals; and

despreading the other signal system using another spreading code in parallel with the despreading on said
5 one signal system and demodulating signals other than pilot signals.

8. The demodulation method according to claim 7, wherein said irregular timing is any one of non-cyclic timing,
10 timing different from past timings, timing adaptively variable according to reception conditions and totally random timing determined by a random signal generator using random numbers, etc.

15 9. A receiver that receives pilot signals comprising:
a despreading circuit that despreads pilot signals; and

a timing control signal generation circuit that generates a timing control signal to make despreading
20 timings of said pilot signals irregular.

10. A receiver that receives pilot signals comprising:
a despreading circuit that despreads pilot signals; and

25 a timing control signal generation circuit that generates a timing control signal to make despreading timings of said pilot signals irregular, wherein said timing control signal generation circuit comprises a

retention circuit that retains past timing signals and
said timing control signal generation circuit
irregularly determines timings from timings or periods
other than timings identical to past despreding timings
5 or periods close to those timings based on past
information retained in said retention circuit.

11. A receiver that receives pilot signals comprising:
a despreding circuit that despreads pilot
10 signals; and
a timing control signal generation circuit that
generates a timing control signal to make despreding
timings of said pilot signals irregular, wherein said
timing control signal generation circuit detects the
15 intensity of a demodulated signal output from said
despreding circuit, adaptively determines despreding
timings in such a way as to avoid valleys of a variation
in the intensity of the reception signal based on time
variation of the detected reception intensity and
20 generates a timing control signal.

12. A receiver that receives pilot signals comprising:
a despreding circuit that despreads pilot
signals; and
25 a timing determination circuit that determines the
start timing of despreding based on the intensity and
variation of a demodulated signal output from the
despreding circuit; and

despreading chip number determination circuit that determines the number of chips to be despread based on the intensity and variation of a demodulated signal output from the despreading circuit, wherein operation
 5 of said despreading circuit is controlled based on the determined despreading timing and despreading chip number and adaptive and random despreading of pilot signals is performed.

10 13. A communication system, the transmitting side and receiving side of which are random timing generation circuits that generate random timings, wherein timings of transmission and reception of pilot signals are controlled by a timing control signal output from said
 15 random timing generation circuit.

14. A CDMA receiver that modulates a dedicated pilot signal channel using a specific spreading code, receives and demodulates a signal, which has been
 20 spread/modulated using another spreading code and sent, for channels other than said dedicated pilot signal channel, comprising:

a signal path to divide the received signal into two signal systems;

25 a first despreading circuit that despreads one signal system using said pilot-signal-specific spreading code at irregular timings and demodulates the pilot signals;

a second desreading circuit that despreads the other signal system using another spreading code in parallel with the desreading on said one signal system and demodulates signals other than pilot signals; and

5 timing control circuits that generate a timing control signal to allow said first desreading circuit (26) to perform desreading at said irregular timing, wherein said first desreading circuit despreads pilot signals at any one of non-cyclic timing, timing different
10 from past timings, timing adaptively variable according to reception conditions and totally random timing determined using random numbers, etc. based on said timing control signal.